

Application No. 10/804,486  
Reply dated March 16, 2009  
Reply to Office Action of September 16, 2008

**Amendments of the Claims**

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A method for providing information about a currently broadcasting program, the method comprising:

displaying the currently broadcasting program;  
receiving determining a scheduled start time and a[[n]] scheduled end time associated with the currently broadcasting program; [[and]]

receiving an adjusted start time and an adjusted end time based on at least one change in a running time of the currently broadcasting program; and

displaying a transport control interface,  
wherein the transport control interface indicates:

a time length of the currently broadcasting program based on the adjusted start time and on the adjusted end time, and

at least one time segment of the time length of the currently broadcasting program that has been recorded.

2. (original) The method of claim 1 wherein displaying the transport control interface comprises displaying a transport control bar.

3. (currently amended) The method of claim 2 wherein displaying the transport control bar comprises displaying the adjusted start time on one end of the transport control bar and the adjusted end time on an opposite end of the transport control bar.

4. (original) The method of claim 2 wherein the at least one time segment is represented by at least one region of the transport control bar.

5. (original) The method of claim 4 wherein the at least one region of the transport control bar is visually distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

6. (original) The method of claim 1 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been automatically recorded into buffer memory.

7. (original) The method of claim 1 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

8. (currently amended) A method for providing information about at least two broadcasting programs, the method comprising:

displaying a currently broadcasting program;

displaying a transport control interface that indicates a first time segment associated with a recording of the currently broadcasting program; and

when playing of the currently broadcasting program is finished,

determining that playing of the currently broadcasting program is finished;

displaying a subsequent broadcasting program, and

modifying the transport control interface in response to determining that playing of the currently broadcasting program is finished, wherein the transport control interface is modified to display indicate the first time segment and a second time segment associated with a recording of the subsequent broadcasting program.

9. (original) The method of claim 8 wherein displaying the transport control interface comprises displaying a transport control bar.

10. (original) The method of claim 9 wherein displaying the transport control bar comprises displaying a start time on one end of the transport control bar and an end time on an opposite end of the transport control bar.

11. (original) The method of claim 9 wherein the at least one time segment is represented by at least one region of the transport control bar.

12. (original) The method of claim 11 wherein the at least one region of the transport control bar is visually distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

13. (original) The method of claim 8 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been automatically recorded into buffer memory.

14. (original) The method of claim 8 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

15-17. (cancelled)

18. (currently amended) A system for providing information about a currently broadcasting program, the system comprising:

means for displaying the currently broadcasting program;

means for receiving determining a scheduled start time and a[[n]] scheduled end time associated with the currently broadcasting program; [[and]]

means for receiving an adjusted start time and an adjusted end time based on at least one change in a running time of the currently broadcasting program; and

means for displaying a transport control interface, wherein the transport control interface indicates:

a time length of the currently broadcasting program based on the adjusted start time and on the adjusted end time, and

at least one time segment of the time length of the currently broadcasting program that has been recorded.

19. (original) The system of claim 18 wherein the means for displaying the transport control interface comprises means for displaying a transport control bar.

20. (currently amended) The system of claim 19 wherein the means for displaying the transport control bar comprises means for displaying the adjusted start time on one end of the transport control bar and the adjusted end time on an opposite end of the transport control bar.

21. (original) The system of claim 19 wherein the at least one time segment is represented by at least one region of the transport control bar.

22. (original) The system of claim 21 wherein the at least one region of the transport control bar is visually distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

23. (original) The system of claim 18 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been automatically recorded into buffer memory.

24. (original) The system of claim 18 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

25. (currently amended) A system for providing information about at least two broadcasting programs, the system comprising:

means for displaying a currently broadcasting program;

means for displaying a transport control interface that indicates a first time segment associated with a recording of the currently broadcasting program;

means for determining that playing of the currently broadcasting program is finished;

means for displaying a subsequent broadcasting program when playing of the currently broadcasting program is finished; and

means for modifying the transport control interface in response to determining that playing of the currently broadcasting program is finished, wherein the transport control interface is modified to display indicate the first time segment and a second time segment associated with a recording of the subsequent broadcasting program.

26. (original) The system of claim 25 wherein the means for displaying the transport control interface comprises means for displaying a transport control bar.

27. (original) The system of claim 26 wherein the means for displaying the transport control bar comprises means for displaying a start time on one end of the transport control bar and an end time on an opposite end of the transport control bar.

28. (original) The system of claim 26 wherein the at least one time segment is represented by at least one region of the transport control bar.

29. (original) The system of claim 28 wherein the at least one region of the transport control bar is visually

distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

30. (original) The system of claim 25 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been automatically recorded into buffer memory.

31. (original) The system of claim 25 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

32-34. (cancelled)

35. (currently amended) A system for providing information about a currently broadcasting program, the system comprising:

    a user input interface;  
    a display; and  
    control circuitry configured to:  
        display the currently broadcasting program;  
        receive determine a scheduled start time and  
        a[[n]] scheduled end time associated with the currently  
        broadcasting program; [[and]]

receive an adjusted start time and an adjusted end time based on at least one change in a running time of the currently broadcasting program; and

display a transport control interface, wherein the transport control interface indicates:

a time length of the currently broadcasting program based on the adjusted start time and on the adjusted end time, and

at least one time segment of the time length of the currently broadcasting program that has been recorded.

36. (original) The system of claim 35 wherein the control circuitry is further configured to display a transport control bar.

37. (currently amended) The system of claim 36 wherein displaying the transport control bar comprises displaying the adjusted start time on one end of the transport control bar and the adjusted end time on an opposite end of the transport control bar.

38. (original) The system of claim 36 wherein the at least one time segment is represented by at least one region of the transport control bar.

39. (original) The system of claim 38 wherein the at least one region of the transport control bar is visually

distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

40. (original) The system of claim 35 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been automatically recorded into buffer memory.

41. (original) The system of claim 35 wherein the at least one time segment represents at least one portion of the currently broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

42. (currently amended) A system for providing information about at least two broadcasting programs, the system comprising:

a user input interface;

a display; and

control circuitry configured to:

display a currently broadcasting program;

display a transport control interface that indicates at least one time segment associated with a recording of the currently broadcasting program; and

when playing of the currently broadcasting program is finished,

determine that playing of the currently broadcasting program is finished;

display a subsequent broadcasting program; and

modify the transport control interface in response to determining that playing of the currently broadcasting program is finished, wherein the transport control interface is modified to display indicate the first time segment and a second time segment associated with a recording of the subsequent broadcasting program.

43. (original) The system of claim 42 wherein the control circuitry is further configured to display a transport control bar.

44. (original) The system of claim 43 wherein the control circuitry is further configured to display a start time on one end of the transport control bar and an end time on an opposite end of the transport control bar.

45. (original) The system of claim 43 wherein the at least one time segment is represented by at least one region of the transport control bar.

46. (original) The system of claim 45 wherein the at least one region of the transport control bar is visually distinguishable from at least one other region of the transport control bar that is associated with non-recorded content.

47. (original) The system of claim 42 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been automatically recorded into buffer memory.

48. (original) The system of claim 42 wherein the at least one time segment represents at least one portion of the currently broadcasting program or at least one portion of the subsequent broadcasting program that has been recorded in response to a specific user command to record the currently broadcasting program.

49-68. (cancelled)

69. (previously presented) A method of providing information about at least two programs, the method comprising:  
displaying on a display a first program that has been recorded or is currently being recorded; and  
providing a transport control bar on the display with the first program, the transport control bar having:  
a first time segment that corresponds to the first program, wherein the first time segment indicates a first length of time that the first program has been recorded; and  
a second time segment visually distinguishable from the first time segment, wherein the second time segment corresponds to a second program that has been

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recorded or is currently being recorded, and wherein the second time segment indicates a second length of time that the second program has been recorded.

70. (previously presented) The method of claim 69, wherein the first and second programs are television programs broadcast from the same television channel in consecutive time slots.

71. (previously presented) The method of claim 69, further comprising:

recording the first program from a first television channel; and

recording the second program from a second television channel different from the first channel.

72. (previously presented) The method of claim 71, wherein providing a transport control bar further comprises:

displaying a first channel indicator associated with the first time segment, wherein the first channel indicator indicates that the first program is from the first television channel; and

displaying a second channel indicator associated with the second time segment, wherein the second channel indicator indicates that the second program is from the second television channel.

73. (previously presented) The method of claim 69, wherein the first time segment and second time segment are visually distinguishable based on one or more of color, pattern, and a marker between the first time segment and the second time segment.

74. (previously presented) The method of claim 69, wherein visual properties of the first and second time segment reflect characteristics respectively of the first and second program.

75. (previously presented) The method of claim 74, wherein the visual properties of the first and second time segments respectively are based on whether the first and second programs were recorded automatically or based on user request.

76. (previously presented) The method of claim 74, wherein the visual properties of the first and second time segments respectively are based on whether the first and second programs are currently being recorded or were previously recorded.

77. (previously presented) The method of claim 74, wherein the visual property of the first time segment indicates that the first program is currently displayed, and wherein the visual property of the second time segment indicates that the second program is not currently displayed.

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78. (previously presented) The method of claim 77, further comprising:

in response to a user request to display the second program:

displaying the second program in place of the first program;

changing a characteristic of the first time segment to indicate that the first program is not currently displayed; and

changing a characteristic of the second time segment to indicate that the second program is currently displayed.

79. (previously presented) The method of claim 69, further comprising:

displaying programming information corresponding to the first program simultaneously with the first program and the transport control bar.

80. (withdrawn) A method of providing information for at least two programs, the method comprising:

displaying on a display a first program that has been recorded or is currently being recorded;

providing a first transport control bar having a first time segment that corresponds to the first program, wherein the first time segment indicates a first length of time that the first program has been recorded; and

providing, on the display with the first program and the first transport control bar, a second transport control bar visually distinguishable from the first transport control bar, wherein the second transport control bar has a second time segment that corresponds to a second program that has been recorded or is currently being recorded, and wherein the second time segment indicates a second length of time that the second program has been recorded.

81. (withdrawn) The method of claim 80, wherein the first and second programs are television programs broadcast from different channels at the same time, the method further comprising:

receiving the first program from a first tuner;  
and

receiving the second program from a second tuner.

82. (withdrawn) The method of claim 81, further comprising:

displaying the second program in a picture-in-picture (PIP) window; and

positioning the second transport control bar on the display in the proximity of the PIP window to associate the second transport control bar with the second program.

83. (withdrawn) The method of claim 80, wherein the first transport control bar occupies a larger area on the display than the second transport control bar.

84. (previously presented) A system for providing information about at least two programs, the method comprising:

a memory buffer;

a display; and

control circuitry configured to:

display, on the display, a first program that has been recorded in the memory buffer or is currently being recorded in the memory buffer; and

provide a transport control bar on the display with the first program, the transport control bar having:

a first time segment that corresponds to the first program, wherein the first time segment indicates a first length of time that the first program has been recorded; and

a second time segment visually distinguishable from the first time segment, wherein the second time segment corresponds to a second program that has been recorded or is currently being recorded, and wherein the second time segment indicates a second length of time that the second program has been recorded.

85. (previously presented) The system of claim 84, wherein the first and second programs are television programs

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broadcast from the same television channel in consecutive time slots.

86. (previously presented) The system of claim 84, wherein the control circuitry is further configured to:

record the first program in the memory buffer from a first television channel; and

record the second program in the memory buffer from a second television channel different from the first channel.

87. (previously presented) The system of claim 86, wherein the control circuitry is further configured to:

display, on the display, a first channel indicator associated with the first time segment, wherein the first channel indicator indicates that the first program is from the first television channel; and

display, on the display, a second channel indicator associated with the second time segment, wherein the second channel indicator indicates that the second program is from the second television channel.

88. (previously presented) The system of claim 84, wherein the first time segment and second time segment are visually distinguishable based on one or more of color, pattern, and a marker between the first time segment and the second time segment.

89. (previously presented) The system of claim 84, wherein visual properties of the first and second time segments reflect characteristics respectively of the first and second program.

90. (previously presented) The system of claim 89, wherein the visual properties of the first and second time segments respectively are based on whether the first and second programs were recorded automatically or based on user request.

91. (previously presented) The system of claim 89, wherein the visual properties of the first and second time segments respectively are based on whether the first and second programs are currently being recorded or were previously recorded.

92. (previously presented) The system of claim 89 wherein the visual property of the first time segment indicates that the first program is currently displayed, and wherein the visual property of the second time segment indicates that the second program is not currently displayed.

93. (previously presented) The system of claim 92, further comprises:

a user input device configured to receive a user request to display the second program, wherein the control circuitry is further configured to:

display the second program in place of the first program in response to receiving the request from the user input device;

change a characteristic of the first time segment to indicate that the first program is not currently displayed; and

change a characteristic of the second time segment to indicate that the second program is currently displayed.

94. (previously presented) The system of claim 84, wherein the control circuitry is further configured to:

display, on the display, programming information corresponding to the first program simultaneously with the first program and the transport control bar.

95. (withdrawn) A system of providing information for at least two programs, the system comprising:

a memory buffer;

a display; and

control circuitry configured to:

display, on the display, a first program that has been recorded in the memory buffer or is currently being recorded;

provide a first transport control bar having a first time segment that corresponds to the first program, wherein the first time segment indicates a first length of time that the first program has been recorded; and

provide, on the display with the first program and the first transport control bar, a second transport control bar visually distinguishable from the first transport control bar, wherein the second transport control bar has a second time segment that corresponds to a second program that has been recorded or is currently being recorded in the memory buffer, and wherein the second time segment indicates a second length of time that the second program has been recorded.

96. (withdrawn) The system of claim 94, wherein the first and second programs are television programs broadcast from different channels at the same time, the system further comprising:

a first tuner configured to receive the first program; and

a second tuner configured to receive the second program.

97. (withdrawn) The system of claim 95, wherein the control circuitry is further configured to:

display, on the display, the second program in a picture-in-picture (PIP) window; and

position the second transport control bar on the display in the proximity of the PIP window to associate the second transport control bar with the second program.

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98. (withdrawn) The system of claim 95, wherein the first transport control bar occupies a larger area on the display than the second transport control bar.